STOPDIGGING!



WITH A DECENT GROUND SCREW YOU CAN CHANGE THE WORL

IT ALL STARTED DURING A GAME OF BOULES IN THE SPRING OF 2011. BUT IT WASN'T THE BALLS OR THE GAME ITSELF THAT GAVE FOUNDERS KIM OLSSON AND HÅKAN LILJEKVIST THE IDEA THAT WAS TO BECOME STOP DIGGING. RATHER, IT WAS SOMETHING KIM SAID TO HÅKAN AS THE GAME PROGRESSED.

Through his work in the construction industry, Kim had noted how using long screws driven into the ground was a simple and versatile solution for installing solar panels. He wondered aloud if he should use the same technology for the terrace he was planning to build at home — as it would eliminate the dreary and demanding work to dig holes in the ground and cast concrete bases. "But if you're looking to do away with that, there must be thousands of other people who want the same thing," replied Håkan speculatively.

Everything went quiet while the two men considered the implications of what Håkan had just said.

Around a year later, they had designed and tested a number of different screw prototypes, quit their current jobs and founded Stop Digging. A company that has since won several awards and is now represented in about ten countries around the world — and continues to expand.

What can we learn from this? Well, that revolutionary ideas can turn up when you least expect them. Ground screws have made everyday life easier for private citizens, public sector players and companies that need to build terraces, depots and other small buildings, or to put up road signs, waste paper baskets and fences. By choosing ground screws from Stop Digging rather than the demanding and cumbersome concrete bases, they save time, energy and money.

Does this sound like something for you? Then give Stop Digging a call.





IN JUST A FEW YEARS, STOP DIGGING HAS DEVELOPED FROM A SMALL HOBBY BUSINESS INTO AN INTERNATIONAL COMPANY.

The success may be due in part to the fact that founders Håkan Liljekvist and Kim Olsson supplemented one another so perfectly from the start. Kim is the technical expert and the builder who developed the actual screws, while Håkan has extensive experience in marketing and sales.

"We've taken responsibility for different things and avoided conflicts. As a result, we've been able to focus fully on developing the business," explains Håkan Liljekvist.

From the earliest days, the idea was not simply to sell the screws, but also the installation work thus creating an area of land ready to build.

"We wanted to supply a service that saves people time and money. So instead of them buying a screw and then having to rent a machine

to drive it into the ground, we send our installers out to install the screw in the soil in just a few minutes," says Kim Olsson.

Both Håkan and Kim are entrepreneurs to their fingertips, and both walked away from successful careers to devote themselves to Stop Digging.

"We wanted to build up a stand-alone brand, to create something lasting. Running a business is a really creative thing to do," says Håkan Liljekvist.

The Stop Digging journey has only just begun.

"I'm driven by the fact that I cannot see any end to our development. Every day brings something new. It may be new partners, new countries or new areas of use for our screws."



OUR SCREWS ARE DESIGNED AND DEVELOPED IN SWEDEN

THE VARIOUS STOP DIGGING SCREWS ARE THE RESULT OF A LONG, PAINSTAKING PERIOD OF DEVELOPMENT WORK. A NEW MODEL TAKES AT LEAST SIX MONTHS TO PRODUCE, AND THE WORK IS CARRIED OUT IN CLOSE COLLABORATION WITH A TEAM OF EXPERIENCED DESIGNERS AND CONSULTANTS. IN ADDITION, WE ARE CONSTANTLY IMPROVING AND REFINING OUR EXISTING RANGE.

All our screws are designed and developed in Sweden. They are built to withstand the inclement Nordic climate, and tested in the toughest environments imaginable. They do not rust, they have a long service life, and they are simple to uninstall and reuse elsewhere. In other words, they are "sustainable" from more than one perspective.

The screws are manufactured under licence at a number of factories in Asia by a company that has been our partner from the start on account of the high quality they supply. All our screws come with a 25-year warranty.

We have divided our ground screws into four distinct basic models intended for different areas of use: adapter screws, pipe screws, post screws and beam screws.

ADAPTER SCREWS are available in two different versions, opening up a wide range of areas of use.

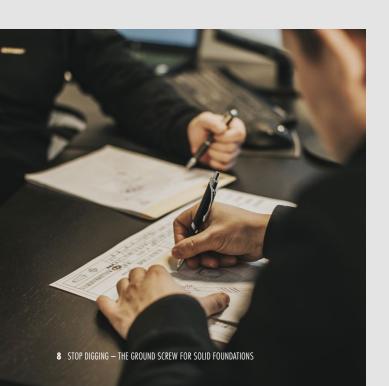
PIPE SCREWS are used in cases where you want to fit steel pipes inside screws – for anchoring traffic signs, parking bollards, waste paper baskets, park benches, etc.

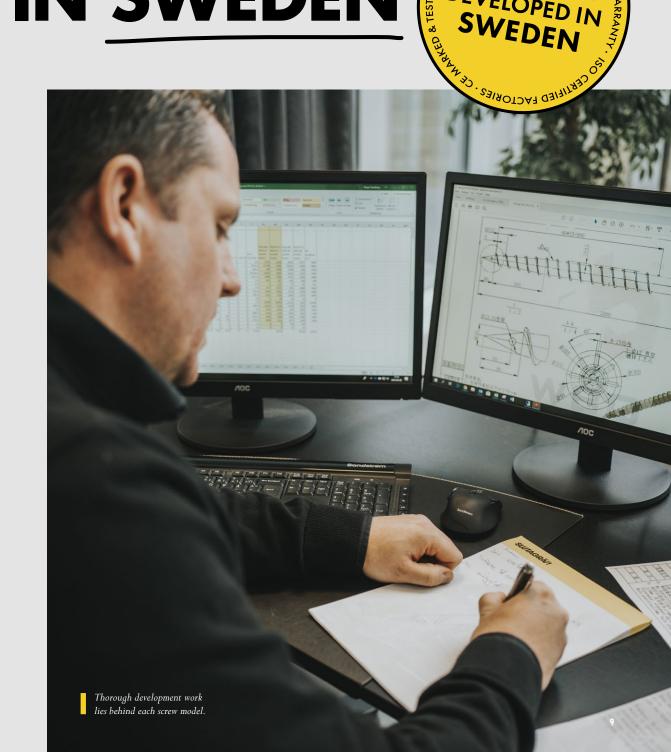
POST SCREWS are used for installing posts for fences, carports, noise barriers and so on. The screw head is available in two widths: 70 and 95 mm

BEAM SCREWS are used for installing horizontal beams or joists — for a veranda, a terrace or the base for a garden shed, for instance. The screw head has an installation width of 95 mm.

COLD, HARD FACTS ABOUT THE SCREWS:

MATERIAL: STEEL ISO 630 FE 3604
SURFACE: GALVANISED ACCORDING TO
THE DIN EN ISO 1461 STANDARD
MATERIAL THICKNESS: 4 MM







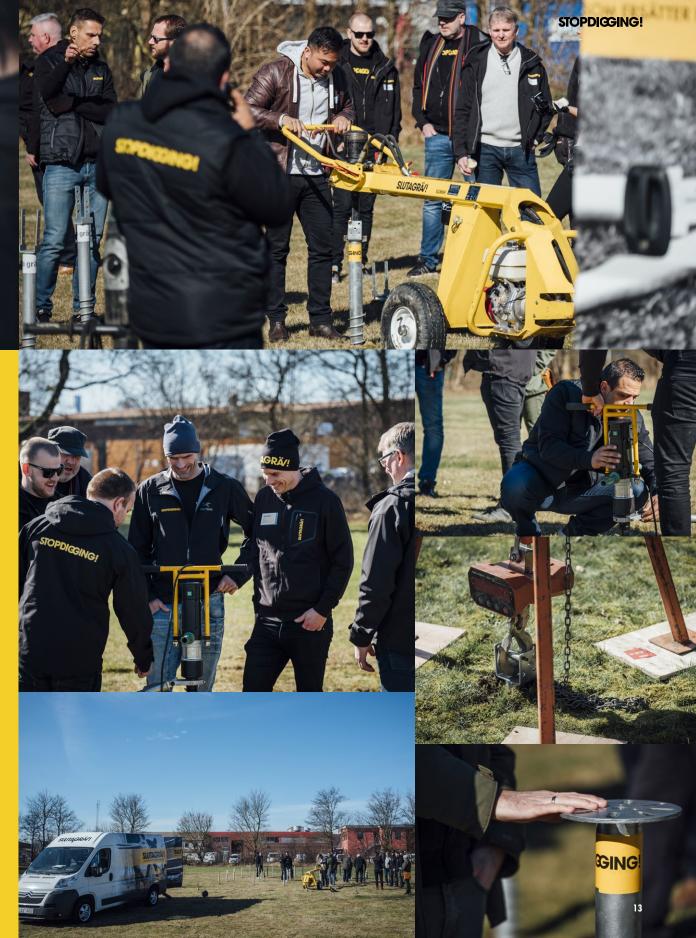


"WE HAVE IN-DEPTH KNOWLEDGE ABOUT HOW TO INSTALL GROUND SCREWS." FROM THE EARLIEST DAYS OF THE COMPANY, WE DECIDED THAT WE WERE TO TRAIN AND CERTIFY ALL OUR PARTNERS AND INSTALLERS OURSELVES. THIS IS A KEY ASPECT OF OUR CONCEPT: WE DO NOT SIMPLY DELIVER THE SCREWS, WE ALSO PROVIDE A PROFESSIONAL INSTALLATION SERVICE.

This means that all installers have to learn to make the best possible use of our specially developed machines with their extremely high torque. The installers complete a training course covering different types of soil and environments, and build up extensive knowledge about our different screws and the situations for which they are designed. They receive updates about the changes and improvements we make to the screws. For all our screws, specifications have been prepared for tension, pressure and horizontal load. We can also perform a tension test to confirm local values.

Our installers also complete safety training, allowing them to obtain ID06 identification — and thus access to construction sites. In addition, they receive training in working on roads. If they should encounter any problems in connection with a specific assignment, our installers have access to rapid support and expert assistance.

Moreover, we hold partner meetings every year and run a social media forum where we share experience, tips and hints.







"WE HAD NEVER REALLY THOUGHT THAT WE COULD FIND A USE FOR **GROUND SCREWS IN OUR PROJECTS.** BUT NOW WE KNOW BETTER," Patrik Samevall from Skanska is one of Stop Digging's numerous satisfied customers. 16 STOP DIGGING - THE GROUND SCREW FOR SOLID FOUNDATIONS

SKANSKA CHOSE GROUND SCREWS FROM STOP DIGGING

WHEN SKANSKA WAS COMMISSIONED TO BUILD A NEW RESIDENTIAL AREA IN HELSINBORG, WE DECIDED TO CONTACT STOP DIGGING. WE USED THEIR GROUND SCREWS TO FOR SEVERAL INSTALLATIONS INCLUDING A NOISE BARRIER.

More and more people are discovering that ground screws constitute a stable and efficient solution that lasts for years. Our customers include both private citizens looking to install wooden decking and major construction companies keen to use ground screws for various parts of their projects. We also receive commissions from the public sector.

One example of a construction company that chose to work with us is Skanska. They wanted help with a project involving the construction of new terraced and detached houses in the Gustavslund region of Helsingborg. Our assignment was to install ground screws for a noise barrier and the base for a shed. Patrik Samevall, the Skanska Purchasing Manager for North-west Skåne, is highly satisfied with the result.

"I cannot praise them highly enough. Digging and casting destroys the ground while screws do not cause any damage, he says. It was the first time Patrik Samevall was involved in a Skanska project where the company called in Stop Digging — but it is unlikely to be the last.

"We're sure to do this again. When the conditions are right, ground screws are an excellent solution. The lead time for having them installed is really short, and the total cost is attractive," he adds.

Skanska had Stop Digging in its sights for a while before finally deciding to test ground screws in the Gustavslund project.

"It's always interesting to try out new products and solutions, but we had never really thought that we could find a use for ground screws in our projects. But now we know better," he concludes.



1. WHAT DOES STOP DIGGING HAVE TO OFFER ME?

Stop Digging is an innovative company in the contracting industry. We are market leaders in the development, sale and installation of ground screws and associated applications. Ground screws are used to replace concrete bases, and the installation work is performed by our certified installers. The process is kind on the surroundings and involves no digging at all. We supply fast and firm fixing that saves you both time and money.

2. WHAT CAN YOU USE **GROUND SCREWS FOR?**

We install ground screws for securing all kinds of projects including terraces, fences, hoardings, pergolas, sheds, depots, playhouses, carports, signs, park benches, verandas and other outdoor constructions. We provide smart solutions and offer a variety of different options for specific projects.

3. WHAT DETERMINES WHICH GROUND SCREW TO USE?

We supply various screw models in customised lengths. The soil conditions, load and type of project determine which screw is used. In addition, we have a well-developed range of applications and accessories to deal with your ground anchoring needs. Our ground screws are made to suit the Nordic climate, and their dimensions are adapted to match Swedish building standards.

4. WHAT HAPPENS IF THERE ARE STONES IN THE GROUND?

We always bore a pilot hole before installing the ground screw to check the local conditions. Small stones or gravel will simply be pushed aside in the boring process, while medium-sized stones will be broken. If there are large rocks or if the installation site is in mountainous terrain, we can provide a variety of solutions. Our trained installers have extensive experience in dealing with any problems that may arise.

5. HOW ARE THE SCREWS AFFECTED BY FROST?

On the basis of years of experience in dealing with conditions of hard frost, we can confidently state that our ground screws can handle frost. Our screws have been designed and adapted to cope with tough conditions; in fact they have been specially developed for use in the Nordic climate. Our local installers are fully familiar with the conditions in the area, and can draw on experience from a variety of reference projects.

6. DO YOU USE THE SAME CALCULATIONS AS FOR **CONCRETE BASES?**

Yes, our ground screws are replacements for concrete bases. For cc measurements and similar calculations, you can calculate in exactly the same way as for concrete bases. With regard to loads in larger projects, we recommend that you have us perform a tension test to make sure we use ground screws with the correct bearing strength.

7. HOW MUCH LOAD CAN THE GROUND SCREWS HANDLE: TENSION. PRESSURE AND HORIZONTAL LOAD?

All our ground screws have been thoroughly tested, and we are happy to provide specifications for tension, pressure and horizontal load. Go to https://slutagrav.se/vara-skruvar/ and click the relevant type of ground screw in question to view the calculations (information in Swedish).

These calculations were performed in ordinary arable land and may be affected by different soil conditions. We can also perform a tension test to confirm local values.

8. HOW DO THE SCREWS HANDLE OUR CLIMATE?

Our ground screws are specially designed and their thicknesses and surface coatings are adapted to Nordic climate conditions. All our ground screws are hot galvanized in accordance with the ISO 1461 standard. All our products are CE labelled and our production facilities are ISO certified.

9. WHO ARE YOUR CUSTOMERS?

We carry out work for both private individuals and commercial customers. All our installers are certified and have both ID06 identification and contractor insurance. Our customer base includes well-known companies including NCC, Skanska, Peab and Riksbyggen, as well as local authorities all over Sweden. Stop Digging is the ideal solution for ground anchoring because we supply a cost-effective solution and make things simple for our customers.

10. HOW MUCH DOES IT ALL COST?

Our concept is fully installed on site at a fixed price per ground screw installed. Our prices vary depending on which ground screw you need for your project.

Contact your local installer for a quote, see: https://stop-digging.co.uk/find-your-installer/

WE INSTALL THE SCREW YOU DO THE RES

WHEN YOU BUY GROUND SCREWS FROM US, THE PRICE INCLUDES BOTH THE SCREWS THEMSELVES AND THE INSTALLATION. GROUND SCREWS CAN BE INSTALLED ANYWHERE YOU WOULD NORMALLY DIG A HOLE TO CAST A CONCRETE BASE – OR TO BURY A PRE-FABRICATED BASE. WE CAN EVEN INSTALL GROUND SCREWS IN THE WINTER.

The installation process is usually completed quickly. We start by pre-boring all holes to check the local soil conditions and ensure we can achieve strong, stable anchoring. We then install the screws precisely where you want them and at the required height. At that point, our involvement ceases and you can start work on your construction project.

Our ground screws are an efficient replacement for concrete bases when you are working on constructing a terrace or wooden decking. They are also ideal for pool decking, fencing, garden sheds and other small buildings. Building a veranda on a base of ground screws is simpler than building it on concrete foundations. We supply screws of different lengths and dimensions based on the local soil conditions, the wood dimensions you intend to use, and how much load the screws are to bear.

Combining our different models of screws makes it simple to even out any differences in ground level.

Ground screws are thus an efficient and stable method of securing different buildings and constructions to the ground. In some cases, however, we may need to apply supplementary methods – if the ground where you are to build is particularly rocky, for example. In such cases, the solution we use involves boring into the rock and using steel studs for the anchoring. If the land is newly excavated to a depth of 50 cm or deeper, it will need time to settle before we can ensure good, stable installation. Extremely rocky soil can pose a problem, but in the vast majority of cases we can install ground screws there as well, given that our pre-drilling process cracks all stones and rocks up to around 30 cm in diameter.





HOW TO JOIN THE STOP DIGGING FAMILY

WE ARE CONVINCED THAT THE MARKET FOR GROUND SCREWS WILL CONTINUE TO EXPAND AS MORE AND MORE PEOPLE DISCOVER ALL THE BENEFITS OF GROUND SCREWS. WE ARE THEREFORE KEEN TO START WORKING WITH NEW PARTNERS, AND WOULD PRIMARILY LIKE TO HEAR FROM SMALL AND MEDIUM-SIZED BUILDING AND CONSTRUCTION COMPANIES FIRMLY ESTABLISHED IN THEIR LOCAL AREA.

If you would be interested in starting to work with us, the first step is to book a visit to our head office in Helsingborg, Sweden. Here, we will provide you with comprehensive information about what Stop Digging is and how our business is set up. You will also have the chance to meet staff from our various departments, and we will be happy to answer your questions. We go through our range of screws and give you an initial training in installing ground screws.

If you decide to become one of our partners, you will receive a starter pack containing everything you need to get going. You will also be granted exclusive rights to Stop Digging in your geographical area, as well as training and certification. And of course, ongoing technical

support from our experts in installing ground screws is included in the deal. Through our intranet, you will have access to everything you need in the way of manuals, agreements, graphic profiles and templates for quotes and confirmations of order.

We will also help you with your digital marketing, and make sure your profile is highly visible on social media in your local area. We will take care of all this so that you can focus on selling and installing screws. Because this is how we grow strong together.

For all our partners, we organise at least one communal get-together a year, and we administrate a private group on Facebook where we can share tips and inspiration with one another.



WE HAVE PARTNERS ALL OVER SWEDEN AND IN TEN OR SO OTHER COUNTRIES AROUND THE WORLD. OUR PARTNERS OUTSIDE SWEDEN WORK UNDER OUR INTERNATIONAL BRAND: STOP DIGGING. PARTNERSHIP MAKES US STRONGWE HELP EACH OTHER OUT AND WORK BOTH FOR OURSELVES AND FOR ONE ANOTHER.

ROB HERSTRÖTER & HUGO BOSCH, NETHERLANDS

Rob Herströter and Hugo Bosch run a construction company in the Tiel region of the Netherlands. We started working with them when they were looking for a simple and stable way to anchor different kinds of construction elements in the field. They started searching on the internet.

"I found a solution that looked interesting but wasn't yet available in the Netherlands," relates Rob Herströter.

What Rob had actually found was information about Stop Digging and our ground screw concept. After a brief exchange of emails, we sent one of our sales representatives to meet him and Hugo. Our representative told Rob and Hugo everything they wanted to know about Stop Digging, our screws and how the partnership functions in practice. Following a short period to think it all over, the two men decided to enter into a working relationship with us. They really appreciate the support from our head office in Helsingborg.



"I love the concept, and appreciate the fact that you can call them at any time if you have questions about the machines — or if you need advice about how to install the screws in a specific type of soil," says Hugo Bosch.

Rob and Hugo can see appreciable development potential with the ground screws and the working relationship with Stop Digging.

"You can use the ground screws on so many things and in so many situations. It's now up to us to get even more customers to appreciate the benefits," says Rob Herströter.



HENRIK TVILLING, DENMARK

Henrik Tvilling runs a construction company in the south of Denmark. He'd had his eye on Stop Digging for a while before he took the plunge and got in touch with us. He was curious to know what a working relationship with us would mean for his company.

Having found out more about us and our solutions, he decided to become our partner in Copenhagen. He, too, can see all kinds of benefits to using ground screws.

"It's a fast and cost-efficient solution with huge potential," explains Henrik Tvilling.

Henrik is extremely satisfied with the support he receives from us at the Stop Digging head office.

"Everyone's really friendly and helpful," he says.



Our ground screws – in different lengths and dimensions

OUR GROUNDS SCREWS ARE SPECIALLY DESIGNED TO DEAL WITH THE NORDIC CLIMATE. WE PROVIDE FOUR BASIC MODELS, WHICH ARE AVAILABLE IN DIFFERENT LENGTHS AND DIMENSIONS, DEPENDING ON WHAT YOU INTEND TO BUILD, THE LOAD REQUIREMENTS FOR THE PROJECT, AND THE GROUND CONDITIONS AT THE SITE WHERE THE SCREWS ARE TO BE INSTALLED.

All our screws are CE-labelled.
The screws are made of steel: ISO 630Fe360A
The surface is galvanised in accordance with the SS-EN ISO 1461 standard



BEAM SCREWS SGU

Used for installing horizontal beams or joists – for a veranda or the base for a garden shed, for instance. The screw head has an installation width of 95 mm.

LENGTHS: 865 – 1200 MM

U-PROFILE OPENING: 95 MM

EXTERNAL Ø SCREW: 67 MM

Ø FIXING HOLE: 10,5 MM (M10X120 MM)

PRESSURE FORCE (RD.C): 6,0 – 12.5 KN

TENSILE FORCE (RD.T): 4,5 – 6,5 KN

HORIZONTAL FORCE (RD.H): 0,5 – 4,5 KN



POST SCREWS SGS

For installing posts for fences, carports, barriers, etc. The screw head is available in 70 and 95 mm widths. Post screws are available in the following lengths: 935 mm and 1200 mm.

LENGTHS: 935 / 1200 MM

U-PROFILE OPENING: 70 – 95 MM

EXTERNAL Ø SCREW: 67 MM

Ø FIXING HOLE: 10,5 MM (M10X120 MM)

PRESSURE FORCE (RD.C): 6,0 – 12.5 KN

TENSILE FORCE (RD.T): 4,5 – 6,5 KN

HORIZONTAL FORCE (RD.H): 2,5 – 4,5 KN



PIPE SCREWS SGN

For fitting steel pipes inside the screws. The steel pipe is fixed in place with four bolts. This is a popular solution for installing traffic signs, parking bollards, waste paper baskets, park benches and so on.

LENGTHS: 935 – 2500 MM

EXTERNAL Ø SCREW: 67 – 114 MM

INTERNAL Ø SCREW: 60 – 106 MM

FIXING HOLE: 4X M12 BULT

PRESSURE FORCE (RD.C): 6,0 – 25 KN

TENSILE FORCE (RD.T): 4,5 – 21,5 KN

HORIZONTAL FORCE (RD.H): 3,0 – 8,5 KN



ADAPTER SCREWS SGC

These screws feature a mounting plate that suits a variety of areas of use; they are universal screws that are ideal for noise barriers or other constructions that require extra accuracy.

LENGTHS: 865 – 2500 MM

Ø FIXING PLATE: 200 MM

EXTERNAL Ø SCREW: 76 MM

Ø FIXING HOLE: 10,5 MM (M10X120 MM)

PRESSURE FORCE (RD.C): 13,5 – 35 KN

TENSILE FORCE (RD.T): 7,0 – 21,5 KN

HORIZONTAL FORCE (RD.H): 3,5 – 8,5 KN



ADAPTER SCREWS SGP

The design of the plate allows vertical and horizontal adjustment. These screws are ideal for a variety of purposes and can be fitted with the adaptors listed below.

LENGTHS: 865 – 1200 MM

EXTERNAL Ø SCREW: 67 MM

PRESSURE FORCE (RD.C): 6,0 – 12.5 KN

TENSILE FORCE (RD.T): 4,5 – 6,5 KN

HORIZONTAL FORCE (RD.H): 2,5 – 4,5 KN

Our machines



SGM069

A large machine that can tackle most surfaces.

POWER: 8.5 HP, TORSIONAL STRENGTH: 1200 NM, REVOLUTIONS: 36, MAX. LENGTH: 1200 MM

SGM05

A tough machine for tough soil conditions.

POWER: 2000 W, TORSIONAL STRENGTH: 4500 NM, REVOLUTIONS: 14, MAX. LENGTH: 2500 MM



SGM04

For small installations in tough conditions, through asphalt, etc.

POWER: 1500 W, TORSIONAL STRENGTH: 1800 NM, REVOLUTIONS: 10, MAX. LENGTH: 1600 MM



For small installations in meadowland. A good entry level machine and a faithful servant.

POWER: 1350W, TORSIONAL STRENGTH: 1500 NM, REVOLUTIONS: 8, MAX. LENGTH: 1000-1200 MM







THE STOP DIGGING HEAD OFFICE IS IN HELSINGBORG, SWEDEN, WHICH IS WHERE WE FOUNDED OUR BUSINESS IN 2012.

We have grown strongly in just a short time. During our first year, we installed 5,000 ground screws, and a few years later this figure had increased to 150,000. Our target for 2022 is 500,000 ground screws installed. Our success has attracted the attention of the trade press in Sweden, and we were named a "Super company" by the Swedish journal Veckans Affärer two years in a row.

Stop Digging has partners and installers throughout Sweden today (you will find contact details for them all on our website). However, we are not just expanding in Sweden — we are making strides internationally, too. We are active in around ten countries under our international name Stop Digging. Denmark, Norway, the UK, Switzerland and New Zealand are just some of the countries where we are currently installing ground screws.

We are continuing to expand and enter new markets.

